Description

BP1638CJ is a 3-channel PWM dimmable Linear constant current LED driver, integrated with three 40V/200mA MOS. PWM signal can control the respective channel output current directly and separately. And BP1638CJ just needs one resistor to set 3-channel current.

BP1638CJ integrates thermal regulation function to reduce output current at hot temperature, makes the system reliable and prevents over heating the bulb at high input voltage.

Features

- 3-channel with Separate PWM Control
- Integrated with triple 40V/200mA MOS
- Standby Current ＜100uA
- Single resistor sets 3-channel output current
- Support up to 10kHz PWM frequency
- ±4% LED output current
- ±3% LED output current between 3-channel
- Available in ESOP-8 Package

Application

- Smart RGB LED bulbs
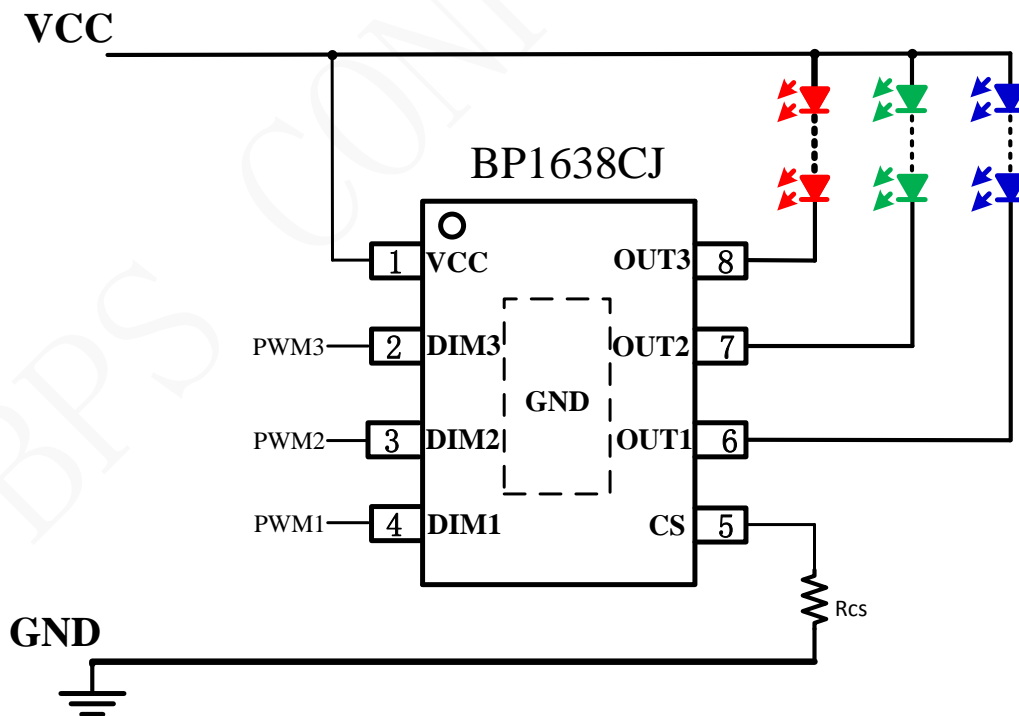- Other Smart LED lighting

Typical Application

Figure1. BP1638CJ Typical Application

Ordering Information

Part Number	Package	Packing Method	Marking
BP1638CJ	ESOP8	Tape 4,000 pcs/ree	BP1638 XXXXXXC XXXXYYJ

Pin Configuration and Marking Information

XXXXXXY: lot code

XXXX: Sign

YY：Week
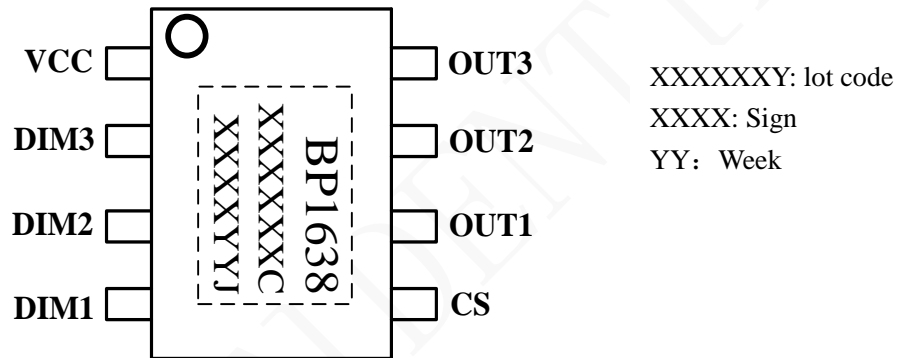
Figure2. Pin configuration

Pin Definition

Pin NO.	Name	Description
1	VCC	Power Supply input pin
2,3,4	DIM3/2/1	PWM Dimming Signal input
5	CS	Current Setting, connect the current sense resistor to GND Pin
6,7,8	OUT1/2/3	Drain of internal power MOSFET
	Exposed Pad	Ground

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